## **AMENDMENTS TO THE CLAIMS**

1. (canceled)
1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)
7. (currently amended) The embossing tool formed by the method of claim 6, An embossing tool made by the process comprising the steps of:
providing a silicon substrate;
forming a first photoresist layer onto a top surface of said substrate;
exposing a portion of said photoresist layer at a plurality of locations to a
collimated image of a source of electromagnetic radiation wherein said step of exposing
further includes moving said collimated image across said photoresist layer in a 2-
dimensional raster manner at a variable speed thereby providing differing exposure
doses to said plurality of individual sites
developing said first photoresist layer thereby removing said exposed portions of
said photoresist layer and exposing a portion of said silicon substrate, said portions of
said photoresist layer not exposed to said collimated image remaining intact;
anisotropically etching said exposed portions of said silicon substrate with a first
reactive plasma for a first period of time;

etching said undeveloped photoresist portions with a second reactive plasma for
a second time to remove an incremental part of said undeveloped portion of said
photoresist layer, said second reactive plasma exposing additional portions of said
silicon substrate;
repeating said steps of etching until a plurality of etched cavities extending into
said substrate thickness are provided, wherein said cavities have one or more surfaces
comprising non-prismatic surfaces, and wherein some of said surfaces extend to
different depths into said substrate thickness;
removing remaining portions of said photoresist layer;
depositing a thin first layer comprising a metal or metals onto said silicon top
surface and onto said etched walls and bases;
depositing a thicker second metal layer over said first layer such that said etched
structures are completely filled to form a plurality of metal structures; and
removing said silicon substrate to provide an embossing tool wherein said metal
structures comprise one or more 3-dimensional projections, each of said one or more 3-
dimensional projections having one or more surfaces, wherein some of said surfaces
are non-prismatic surfaces.

- **8**. (original) The embossing tool of claim **7**, wherein said 3-dimensional projections are wall-like or post-like or both.
- **9**. (original) The embossing tool of claim **7**, wherein said 3-dimensional projections have cross sections that are rectangular, triangular, trapezoidal, or parabolic or hyperbolic.

- **10**. (original) The embossing tool of claim **7**, wherein some of said non-prismatic surfaces are curvilinear.
- 11. (original) The embossing tool of claim 7, wherein some of said surfaces intersect to form an edge or a corner.
- 12. (canceled)
- 13. (canceled)
- 14. (canceled)
- 15. (canceled)
- 16. (canceled)
- 17. (canceled)
- 18. (canceled)
- 19. (canceled)
- 20. (canceled)
- 21. (canceled)
- 22. (canceled)
- 23. (canceled)
- 24. (canceled)

- 25. (canceled)
- 26. (canceled)
- 27. (canceled)
- 28. (canceled)
- 29. (canceled)
- 30. (canceled)
- 31. (canceled)
- 32. (canceled)
- 33. (canceled)